11—ISOPLETHS

REF NO	DESCRIPTION	SYMBOL	CARTOGRAPHIC SPECIFICATIONS	NOTES ON USAGE
11.1—Lines of equal physical or chemical properties			
11.1.1	Line of equal thickness or equal chemical value	—75—	lineweight .5 mm HI -10 —75— line and text color 100% red	Isopleths may be used to represent many different types of physical or chemical properties. If data accuracy is high enough or if the data covers a wide range of values, intermediate contours may be added; use a lineweight that is .1 mm narrower than that of the index contour. On most maps, every fourth or fifth contour should be an index contour, and only index contours are labeled. If values of change are shown, all values other than zero must be preceded by a plus (+) or minus (–) sign. May be shown in black or other colors.
11.1.2	Line of equal depth	—100—	lineweight .3 mm HI-8 —100—	
11.1.3	Line of equal precipitation	—24—	lineweight .3 mm HI-8 —24— line and text color 100% cyan	
11.1.4	Line of equal runoff	—0.5—	lineweight .3 mm HI-8 —0.5— line and text color 100% cyan	
11.1.5	Line of equal aquifer transmissivity or hydraulic conductivity	—100,000—	lineweight .3 mm HI-8 —100,000— line and text color 100% cyan	
11.1.6	Line of equal water-level change	—20—	lineweight .3 mm HI-8 —20— line and text color 100% cyan	
11.1.7	Line of equal physical or chemical property of water	—5000—	lineweight .3 mm HI-8 —5000— line and text color 100% cyan	
11.2—Geophysical and structure contours			
11.2.1	Line of equal intensity of potential field (geophysical contour)—Index	—200—	lineweight .3 mm HI-8 —200—	On most maps, every fourth or fifth contour should be an index contour, and only index contours are labeled. Add hachures to the lowest unlabeled (intermediate) contours to indicate closed areas of low values if it is unclear that the contour values are decreasing (hachures point into closed depression). Although only shown on geophysical contours, hachures may be added to any type of contour. May be shown in black or other colors.
11.2.2	Line of equal intensity of potential field (geophysical contour)—Index; dashed where data is incomplete	— — — —	.5 mm 5.0 mm	
11.2.3	Line of equal intensity of potential field (geophysical contour)—Intermediate	————	lineweight .2 mm	
11.2.4	Line of equal intensity of potential field (geophysical contour)—Intermediate; dashed where data is incomplete	— — — —	.5 mm 5.0 mm	
11.2.5	Line of equal intensity of potential field (geophysical contour)—Intermediate; hachures indicate closed areas of lower values	⊤⊤⊤⊤⊤	all lineweights .2 mm 1.0 mm 4.5 mm	
11.2.6	Maximum or minimum intensity within closed high or closed low	✕2864	2.0 mm ✕2864 HI-7 90°	
11.2.7	Line of equal elevation of geologic unit surface (structure contour), first surface—Index	—600—	lineweight .375 mm HI-9 —600— line and text color 100% red	
11.2.8	Line of equal elevation of geologic unit surface (structure contour), first surface—Index; dashed where control is poor	— — — —	.5 mm 5.0 mm	
11.2.9	Line of equal elevation of geologic unit surface (structure contour), first surface—Intermediate	————	lineweight .275 mm line and text color 100% red	
11.2.10	Line of equal elevation of geologic unit surface (structure contour), first surface—Intermediate; dashed where control is poor	— — — —	.5 mm 5.0 mm	
11.2.11	Line of equal elevation of geologic unit surface (structure contour), second surface—Index	—600—	lineweight .375 mm HI-9 —600— line and text color 100% violet	
11.2.12	Line of equal elevation of geologic unit surface (structure contour), second surface—Index; dashed where control is poor	— — — —	.5 mm 5.0 mm	
11.2.13	Line of equal elevation of geologic unit surface (structure contour), second surface—Intermediate	————	lineweight .275 mm line color 100% violet	
11.2.14	Line of equal elevation of geologic unit surface (structure contour), second surface—Intermediate; dashed where control is poor	— — — —	.5 mm 5.0 mm	